

CIT Maths for Matures Programme

10th- 26th February 2020

Only applicable to applicants for full time undergraduate Science/Engineering related programmes in CIT

The aims of the programme are to:

- Familiarise prospective mature students with some of the mathematics that they will encounter in the first year of an **engineering/science** programme.
- Provide an opportunity to prospective mature students to demonstrate their ability in and aptitude for mathematics.
- Provide the Head of Department with a test result which would demonstrate if the prospective mature student has a suitable aptitude for mathematics in relation to the course(s) being applied for. The test result can be included in the student's CAO application.

The programme covers the following topics:

- Basics: BOMDAS, ratio, proportion, percentages, significant figures, evaluation of formulae, approximations, error estimates
- Indices: scientific and engineering notation, conversion of units
- Functions: introduction to notation, quadratic, exponential and logarithmic functions
- Logarithms: solving exponential and logarithmic equations.

Programme Schedule 2020

Date	Time	Venue	Session Content
Monday 10 th February	6.00 - 8.00pm	B251, Bishopstown Campus	Introductory Meeting for Course Participants and calculator usage
Wednesday 12 th February	6:00 – 9:00pm	B251 Bishopstown Campus	Positive/Negative Numbers, Fractions, Decimals, BOMDAS
Thursday 13 th February	6:00 – 9:00pm	B251 Bishopstown Campus	Direct Proportion, Ratio, Percentages, Significant Figures, Scientific Notation
Monday 17 th February	6:00 – 9:00pm	B251 Bishopstown Campus	Engineering Notation, Estimations & Exact Answers, Units, Conversion of Units
Wednesday 19 th February	6:00 – 9:00pm	B251 Bishopstown Campus	Introduction to Functions, Exponential Functions, Indices, Solving Equations with Indices
Thursday 20 th February	6:00 – 9:00pm	B251 Bishopstown Campus	Logarithms, Solving Equations with Logarithms & Indices, Review
Monday 24 th February	6:00 – 8.30pm	B251 Bishopstown Campus	Review Exam
Wednesday 26 th February	6:00 – 8.30pm	B251 Bishopstown Campus	Feedback/Individual Consultation, Course Evaluation

Apply online by Wednesday 5th February at:

<https://www.cit.ie/prospectivestudents.maturestudents1.mathsformatures>